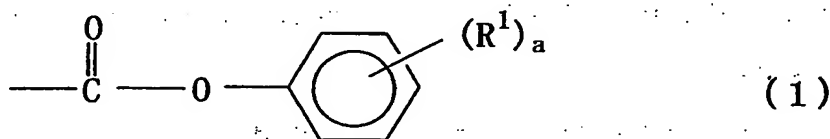


Claims

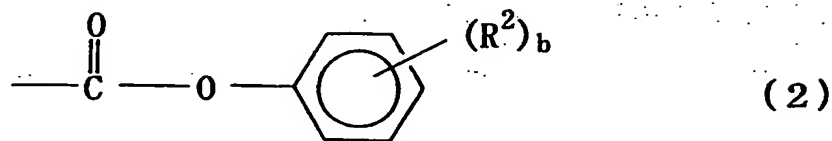
1. A thermoplastic resin composition comprising 100 parts by mass of a mixture of a thermoplastic resin (A) and carbon nanotubes (B), the mixture being composed of the component (A) in an amount of 80 to 99.95 mass% and the component (B) in an amount of 0.05 to 20 mass%; a flame retardant (C) in an amount of 0.05 to 30 parts by mass; and a polyfluoroolefin resin in an amount of 0 to 2 parts by mass.

2. A thermoplastic resin composition comprising 100 parts by mass of a mixture of a thermoplastic resin (A) and carbon nanotubes (B), the mixture being composed of the component (A) in an amount of 80 to 99.9 mass% and the component (B) in an amount of 0.1 to 20 mass%; and at least one compound (flame retardant) (D) selected from among a phosphorus compound (i.e., phosphorus-containing flame retardant), a phenolic compound (i.e., phenolic flame retardant), an epoxy compound (i.e., epoxy-based flame retardant), and a sulfur compound (i.e., sulfur-containing flame retardant), in an amount of 0.005 to 2 parts by mass.

3. A polycarbonate resin composition comprising 100 parts by mass of a mixture of an aromatic polycarbonate-polyorganosiloxane copolymer (A1) having an end group represented by formula (1):



(wherein R^1 represents an alkyl group having 1 to 35 of carbon atoms and a is an integer from 0 to 5), an aromatic polycarbonate resin (A2) having an end group represented by formula (2):



(wherein R^2 represents an alkyl group having 1 to 35 of carbon atoms and b is an integer of 0 to 5), and carbon nanotubes (B), the mixture being composed of the component (A1) in an amount of 0.1 to 99.9 mass%, the component (A2) in an amount of 0 to 99.8 mass%, and the component (B) in an amount of 0.1 to 30 mass%; and a polytetrafluoroethylene resin (E) in an amount of 0 to 2 parts by mass.

4. A thermoplastic resin composition as described in claim 1, wherein the thermoplastic resin is a polycarbonate resin.

5. A thermoplastic resin composition as described in claim 1, wherein the thermoplastic resin is a polymer alloy composed of two or more thermoplastic resins.

6. A thermoplastic resin composition as described in claim 5, wherein the polymer alloy is composed of a polycarbonate resin and a styrene resin.

7. A thermoplastic resin composition as described in claim 1, wherein the carbon nanotubes contain amorphous carbon particles in an amount of 20 mass% or less and has a diameter of 0.5 to 120 nm and a length of 500 nm or more.

8. A thermoplastic resin composition as described in claim 1, wherein the carbon nanotubes have open ends.

9. A thermoplastic resin composition as described in claim 1, wherein the flame retardant contains no chlorine atom or bromine atom.

10. A thermoplastic resin composition as described in claim 1, wherein the flame retardant is a phosphorus-containing flame retardant and/or a silicone flame retardant.

11. A molded product of a thermoplastic resin composition as recited in claim 1.

12. A thermoplastic resin composition as described in claim 2, wherein the thermoplastic resin is a polycarbonate resin.

13. A thermoplastic resin composition as described in claim 2, wherein the thermoplastic resin is a polymer alloy composed of two or more thermoplastic resins.

14. A thermoplastic resin composition as described in claim 13, wherein the polymer alloy is composed of a polycarbonate resin and a styrene resin.

15. A thermoplastic resin composition as described in claim 2, wherein the carbon nanotubes contain amorphous carbon particles in an amount of 20 mass% or less and has a diameter of 0.5 to 120 nm and a length of 500 nm or more.

16. A thermoplastic resin composition as described in claim 2, wherein the carbon nanotubes have open ends.

17. A thermoplastic resin composition as described in claim 2, wherein the phosphorus-containing compound is a

phosphite ester.

18. A molded product of a thermoplastic resin composition as recited in claim 2.

19. A polycarbonate resin composition as described in claim 3, wherein the aromatic polycarbonate-polyorganosiloxane copolymer has a polyorganosiloxane moiety which is a polydimethylsiloxane (PDMS) skeleton.

20. A polycarbonate resin composition as described in claim 19, which contains polydimethylsiloxane (PDMS) in an amount of 0.1 to 10 mass%.

21. A polycarbonate resin composition as described in claim 3, wherein the aromatic polycarbonate resin has an alkyl group having 10 to 35 of carbon atoms at an end of the molecule.

22. A polycarbonate resin composition as described in claim 3, wherein the carbon nanotubes contain amorphous carbon particles in an amount of 20 mass% or less and has a diameter of 0.5 to 120 nm and a length of 500 nm or more.

23. A polycarbonate resin composition as described in claim 3, wherein the carbon nanotubes have open ends.

24. A molded product of a polycarbonate resin composition as recited in claim 3.